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| Application/ | Control No. |
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10/632,104 Examiner

Naum B. Levin

Applicant(s)/Patent under Reexamination

TERASAWA ET AL.

Art Unit

2825

(Through numeral) Rejected Cancelled

Non-Elected N

Appeal

Allowed

Restricted

Interference

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| Cla      | aim      | Date         |                 |   |                     |              | Claim         |        |  |                | Date     |               |               |         |                 | CI       | aim                |  | Date |       |            |           |          |  |          |   |          |          |          |          |
|----------|----------|--------------|-----------------|---|---------------------|--------------|---------------|--------|--|----------------|----------|---------------|---------------|---------|-----------------|----------|--------------------|--|------|-------|------------|-----------|----------|--|----------|---|----------|----------|----------|----------|
|          | <u>=</u> | ı,           |                 |   |                     |              |               |        |  |                | <u>-</u> |               |               |         |                 |          |                    |  |      |       | _          |           |          |  |          |   |          |          |          |          |
| Final    | Original | 6/17/05      |                 |   |                     | - [          |               |        |  | Final          | Original |               |               |         |                 | - 1      |                    |  |      | Final | Original   |           |          |  |          |   |          | - 1      | ı        |          |
| iĒ       | Ë        | 1,5          |                 |   |                     |              |               |        |  | i <del>.</del> | Ę        |               |               | 1       |                 | - 1      |                    |  |      | iĪ.   | Ĕ          |           |          |  |          |   |          | - 1      |          |          |
|          | 0        | ľ            |                 |   |                     |              |               |        |  |                | ١٠       |               |               |         |                 |          |                    |  |      |       | ١٠         |           |          |  |          |   |          |          | - 1      | - 1      |
|          | 1        | ٧            |                 |   |                     |              |               |        |  |                | 51       |               |               |         |                 |          |                    |  |      |       | 101        |           |          |  |          |   |          |          |          |          |
|          | 2        | ٧            | П               |   | П                   |              | $\neg \vdash$ | $\top$ | П  |                | 52       |               |               |         | П               | $\neg$   | $\neg \vdash$      |  |      |       | 102        |           |          |  |          |   |          |          |          | $\neg$   |
|          | 3        | v            |                 |   |                     |              | T             | $\top$ |  |                | 53       |               | T             | 1       | $\Box$          | T        |                    |  |      |       | 103        |           |          |  |          |   |          |          | $\neg$   |          |
|          | 4        | ٧            |                 |   |                     | Ť            |               |        |  |                | 54       |               | ı             |         | Ħ               |          |                    |  |      |       | 104        |           |          |  |          |   |          |          | $\neg$   | $\neg$   |
|          | 5        | ٧            |                 |   |                     |              |               |        |  |                | 55       |               |               |         |                 |          |                    |  |      |       | 105        |           |          | $\neg$   |          |   |          |          |          |          |
|          | 6        | v            |                 |   |                     |              | $\top$        | $\top$ |  |                | 56       |               |               |         | 1               | $\neg$   |                    | 1  |      |       | 106        |           |          |  |          |   |          |          |          | $\neg$   |
|          | 7        | 0            |                 |   |                     |              | $\top$        |        |  |                | 57       |               |               | $\neg$  | $\Box$          | $\neg$   |                    | <u> </u>   |      |       | 107        |           |          |  |          |   |          |          |          | $\neg$   |
|          | 8        | 0            |                 |   |                     | $\neg$       | $\neg$        | $\top$ |  |                | 58       |               |               | $\top$  | $\Box$          | $\neg$   | $\neg$             | <del>                                     </del> |      |       | 108        |           | $\neg$   | $\neg$   |          | _ |          |          | $\neg$   | ヿ        |
|          | 9        | v            |                 |   |                     |              |               |        |  |                | 59       |               |               | _       |                 | $\neg$   |                    | 1  |      |       | 109        |           |          |  |          |   |          | $\dashv$ |          | ヿ        |
|          | 10       | v            |                 |   |                     | $\neg$       |               | 1-     |  |                | 60       |               |               | 1       |                 | $\neg$   |                    | <u> </u>   |      |       | 110        |           | $\neg$   |  |          | _ |          | $\neg$   |          |          |
|          | 11       | v            |                 |   |                     |              | _             | 1      |  |                | 61       |               | _             | ┪       | $\Box$          |          | $\neg$             | 1  |      |       | 111        |           |          |  |          |   |          |          |          | $\neg$   |
|          | 12       | v            | Н               |   | $\vdash$            | 十            | +             | _      |  |                | 62       |               | $\neg   \neg$ | $\top$  |                 | $\dashv$ | _                  | 1  |      |       | 112        |           |          | _  |          |   |          |          |          | $\dashv$ |
|          | 13       | v            | Н               |   | $\vdash$            | $\top$       | $\top$        | $\top$ | T  |                | 63       |               | _             | 1       |                 | $\dashv$ | $\top$             | 1  |      |       | 113        | П         |          | $\dashv$   |          |   |          | _        | $\neg$   | $\dashv$ |
|          | 14       | v            | Н               | - |                     | $\top$       | $\top$        | $\top$ |  |                | 64       | $\vdash$      |               | +       | 1               | 十        | $\dashv$           | 1  |      |       | 114        | П         | $\Box$   | $\dashv$   |          |   |          | -        | _        | $\dashv$ |
|          | 15       | v            | Н               |   | $\vdash$            | 十            | 十             | ┪┈     | <del>                                     </del> |                | 65       |               | $\dashv$      | +       | $\vdash$        | $\dashv$ | +                  |  |      |       | 115        |           |          | _  |          |   |          |          | _        | ᅥ        |
| <b>-</b> | 16       | ō            | Н               |   |                     | _            | +             | +      | $\vdash$   |                | 66       | $\dashv$      | $\dashv$      | +       | H               | $\dashv$ | +                  | †  |      |       | 116        |           | $\dashv$ | $\dashv$   | _        |   |          | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 17       | 0            | Н               |   | $\vdash$            | -            | +             | +      | 1  | $\vdash$       | 67       |               | +             | +       |                 | $\dashv$ | $\dashv$           | 1  |      |       | 117        | Н         |          | $\dashv$   |          |   |          | $\dashv$ | +        | ┪        |
|          | 18       | v            | Н               |   | $\vdash$            | +            | +             | +      |  | _              | 68       | $\vdash$      | +             | +       | 1 1             | $\dashv$ | +                  | +  |      |       | 118        | Н         | $\dashv$ | $\dashv$   | -        |   | $\dashv$ | -        | 1        | $\dashv$ |
|          | 19       | v            | $\vdash$        |   |                     | -            | +-            | +      | -  |                | 69       | $\dashv$      |               | +       | $\vdash$        | -+       |                    | +-   |      |       | 119        | -         | -        | -  | -        | - | -        | -        | -        | $\dashv$ |
|          | 20       | v            |                 |   | -                   | -            |               | +      | ┼  |                | 70       | -             |               |         | 1-1             | -+       |                    | ┼  |      |       | 120        | -         | -        | -+   |          |   |          | $\dashv$ | -        | -        |
|          | 21       | v            | Н               |   |                     | +            | +             | +      | +  | <u> </u>       | 71       | $\vdash$      | +             | +       | $\vdash$        | $\dashv$ | +                  | ╁  |      |       | 121        | Н         |          | $\dashv$   | $\dashv$ |   | $\dashv$ | $\dashv$ | -        | $\dashv$ |
| _        | 22       | v            | Н               |   | $\vdash$            | +            | +             | +      | $\vdash$   |                | 72       | $\vdash$      | +             | +       | $\vdash$        | $\dashv$ | +                  | +  |      |       | 122        | $\vdash$  |          | $\dashv$   | $\dashv$ |   | $\dashv$ | $\dashv$ | $\dashv$ | -        |
|          | 23       | V            | $\vdash$        |   | $\vdash$            | +            | ╫             | ╁      | $\vdash$   |                | 73       | $\dashv$      |               | -       | $\vdash$        | $\dashv$ |                    | +  |      |       | 123        | $\dashv$  | $\dashv$ | $\dashv$   | $\dashv$ | _ | $\dashv$ | $\dashv$ | $\dashv$ | _        |
|          | 24       | 0            | $\vdash$        |   | $\vdash$            | -            | ┿             | +-     | -  |                | 74       |               |               |         | +               | +        | -                  | ┼  |      |       | 124        | Н         | -        | $\dashv$   | $\dashv$ |   | $\dashv$ | $\dashv$ | $\dashv$ |          |
| <u> </u> | 24       | 0            | Н               |   | $\vdash$            | -+-          |               |        | ├  |                | 75       | +             |               |         |                 | -+       |                    |  |      |       |            | -         |          |  | -        |   | $\dashv$ | $\dashv$ | $\dashv$ |          |
| <u> </u> | 25       | ۲            | $\vdash$        |   | $\vdash$            |              | ╁             | 4-     | ┼  |                |          |               |               |         | +               | -        |                    | +  |      |       | 125        |           | -        | -  |          | _ |          | -        | $\dashv$ |          |
|          | 26       | H            | $\vdash$        |   | $\vdash$            | +            | +             | +      | -  |                | 76       |               | +             |         | $\vdash$        | $\dashv$ | +                  | +-   |      |       | 126<br>127 |           | -        | $\dashv$   | -        |   | $\dashv$ | $\dashv$ | $\dashv$ | _        |
|          | 27       | H            | $\vdash$        |   | $\vdash$            |              |               | +      | -  |                | 77       | -             |               |         | $\vdash$        | +        |                    | +  |      |       |            | -         | $\dashv$ | $\dashv$   | $\dashv$ | _ | -        | $\dashv$ | -        | -        |
|          | 28       | H            | H               |   | $\vdash$            | +            | +             | +      | -  |                | 78       | -             | +             | +       | $\vdash$        | +        | +                  | +  |      |       | 128        | Н         | $\dashv$ | $\dashv$   | $\dashv$ | _ | $\dashv$ | $\dashv$ | $\dashv$ |          |
|          | 29       | H            | $\vdash \vdash$ |   | $\vdash$            | +            | +             | +      | $\vdash$   |                | 79       | $\rightarrow$ | +             | +       | $\vdash$        | +        | +                  | +  |      |       | 129        | -         | $\dashv$ | $\dashv$   | $\dashv$ | - | $\dashv$ | $\dashv$ | $\dashv$ | -        |
|          | 30       | <u> </u>     | Н               |   | $\vdash$            | +            | +             | +      | ₩  |                | 80       | $\rightarrow$ | $\dashv$      | +       | $\vdash$        | $\dashv$ | +                  | +  |      |       | 130        |           | $\dashv$ | $\dashv$   | $\dashv$ | _ | $\dashv$ | -        | $\dashv$ | _        |
|          | 31       | <u> </u>     | $\vdash$        |   | -                   |              | -             | +-     | -  | <u> </u>       | 81       | _             |               | -       | $\vdash$        | -        | -                  | +  |      |       | 131        | -         |          | $\dashv$   | $\dashv$ | _ | $\dashv$ | $\dashv$ | -        |          |
|          | 32       | <del> </del> | $\vdash$        |   | <del></del>         | -            | +             | +      | ₩  |                | 82       |               | $\dashv$      | +-      | $\vdash$        | +        |                    | +  |      |       | 132        | -         | $\dashv$ | $\dashv$   | -        | _ | $\dashv$ | $\dashv$ | $\dashv$ | -        |
|          | 33       | -            | $\vdash \vdash$ | _ | -                   |              |               |        | -  | <u> </u>       | 83       | -             |               | - -     | $\vdash$        | -        | - -                | +-   |      |       | 133        | $\vdash$  | -        | $\dashv$   | -        | _ | -        | -        | _        | $\dashv$ |
|          | 34       | -            | $\vdash \vdash$ |   | $\vdash$            | +            | +             | +      | ├  | <b> </b>       | 84       |               | _             |         | ⊢⊦              | +        |                    | +-   |      |       | 134        | Ш         | _        | $\dashv$   | _        |   | $\dashv$ | _        | _        | _        |
| <b></b>  | 35       | _            | $\vdash$        |   |                     | -            |               |        | -  | <u> </u>       | 85       | $\dashv$      | -             | +       | $\vdash$        | -        | - -                | +  |      |       | 135        | Ш         | _        | -  |          |   | _        | _        | _        | 4        |
|          | 36       |              | $\vdash \vdash$ |   | <u> </u>            | - -          | -             | +-     |  |                | 86       | -             | -             |         | $\vdash$        | _        |                    | -  |      |       | 136        | $\vdash$  | _        | _  | _        |   | _        | _        | _        |          |
| <u> </u> | 37       | <u> </u>     | $\sqcup$        |   | -                   |              | - -           | +-     | $\vdash$   | <u> </u>       | 87       |               | _             | +       | $\vdash \vdash$ | 4        | +                  | -  |      |       | 137        | $\square$ | _        |  | _        | _ | _        | _        | _        | 4        |
|          | 38       | _            | $\vdash$        |   | -                   | - -          | 4             | -      | $\vdash$   | <u> </u>       | 88       |               |               | +-      |                 | -        | $\dashv$           | -  |      |       | 138        | -         | _        |  | _        | _ | _        | _        | _        | 4        |
|          | 39       |              |                 |   | $\vdash$            | _            | -             |        | $\vdash$   |                | 89       |               | _ -           | +       | $\vdash$        | -        | 4                  |  |      |       | 139        | Ш         |          |  | _        | _ |          | -        | _        | 4        |
|          | 40       | _            | $\sqcup$        |   | $\vdash$            | 4            | _             | $\bot$ | $\vdash$   |                | 90       | $\sqcup$      |               | _       | $\sqcup$        | 4        |                    | 4_   |      |       | 140        | Ш         | $\dashv$ | _  | _        |   |          | 4        | _        | _        |
|          | 41       | _            | $\sqcup$        |   | <u> </u>            | _ _          | 4             | 4_     | <u> </u>   |                | 91       | $\dashv$      | -             | +-      | ⊢               | _        | _ _                | 4_   |      | ,     | 141        | $\square$ | $\dashv$ | 4  | _        |   | _        | _        | _        | _        |
|          | 42       | _            | Ш               |   | $\sqcup$            |              | - -           | 4_     | igspace  |                | 92       | $\sqcup$      | _ _           |         | $\sqcup$        | _        |                    | 4_   |      |       | 142        |           | $\dashv$ | _  | _        |   |          | _        | _        | _        |
|          | 43       |              | Ш               | _ | $\sqcup$            | $\perp$      |               |        | igspace  |                | 93       | $\Box$        | _ _           |         | $\sqcup$        | _        | $\bot$             | <del> </del> _                                   |      |       | 143        |           | _        | _  |          |   |          |          |          |          |
|          | 44       | <u> </u>     | Ш               |   | $oxed{oxed}$        | 4            | _             | 1      | $oxed{oxed}$                                     |                | 94       |               |               |         | $\sqcup$        | _        | _                  | 4_   |      |       | 144        |           | $\dashv$ | _  | _        |   | _        |          | _        |          |
|          | 45       |              | Ш               |   | $\sqcup \!\! \perp$ |              |               | _      | Щ  |                | 95       |               | _             |         | $\sqcup$        | _        |                    |  |      |       | 145        |           |          |  |          |   |          |          |          | $\Box$   |
|          | 46       |              | Ш               |   | ot                  | $\perp$      | _             |        | Ш  |                | 96       | $\perp$       | $\perp$       | $\perp$ | $\sqcup$        |          |                    |  |      |       | 146        | Ш         | _        |  |          |   | _        |          | ļ        | Ц        |
|          | 47       |              | Ш               |   | oxdot               | $\perp$      | $\perp$       |        |  |                | 97       | $\perp$       | $\perp$       |         | Ш               | $\perp$  |                    |  |      |       | 147        | Ш         |          |  |          |   |          |          |          |          |
|          | 48       |              | $oxed{oxed}$    |   |                     |              |               |        | Ш  |                | 98       |               |               |         | $\coprod$       |          |                    |  |      |       | 148        |           |          | $\perp$  |          |   | [        | [        |          |          |
|          | 49       |              |                 |   | $\Box I$            | $oxed{oxed}$ | L             |        |  |                | 99       |               |               |         | $\Box$          | $\perp$  | $oxedsymbol{oxed}$ |  |      |       | 149        |           |          | $oldsymbol{ol}}}}}}}}}}}}}}}}$ | $\Box$   |   |          |          | $\Box$   |          |
|          | 50       |              |                 |   |                     |              |               |        |  |                | 100      |               |               |         |                 | T        |                    |  |      |       | 150        |           | T        | П  |          |   |          |          | Т        | П        |